

AUTOMOTIVE TECHNOLOGY POWERTRAIN CERTIFICATE

32 Semester Credit Hours; Curriculum: 0032

Code	Title	Hours
Courses for a Certificate:		
ATA 102	Introduction To Automotive Technology	4
ATA 110	Engine Performance And Fuel Systems	4
ATA 111	Automotive Electrical Systems I	4
ATA 204	Basic Automotive Engines	4
ATA 205	Advanced Automotive Engines	4
ATA 206	Clutches, Transmissions, and Differentials	4
ATA 208	Automatic Transmissions	4
ATA 210	Advanced Engine Performance Analysis	4
Total Hours		32

Note: Starting Fall 2022, Oakton will no longer enroll new students in this Certificate. Students who started the Certificate program in previous semesters will be able to complete the Certificate requirements.

Automotive Technology Powertrain Certificate Pathway

The following Pathway is recommended for students pursuing the Automotive Technology Powertrain Certificate.

First Year		
Fall Semester		Hours
ATA 102	Introduction To Automotive Technology	4
ATA 111	Automotive Electrical Systems I	4
ATA 204	Basic Automotive Engines	4
Hours		12
Spring Semester		
ATA 110	Engine Performance And Fuel Systems	4
ATA 205	Advanced Automotive Engines	4
ATA 210	Advanced Engine Performance Analysis	4
Hours		12
Second Year		
Fall Semester		
ATA 206	Clutches, Transmissions, and Differentials	4
ATA 208	Automatic Transmissions	4
Hours		8
Total Hours		32

Note: Pathway is a recommended sequence of courses. Part-time students should contact the department chair to discuss a part-time pathway as well as course prerequisites and recommendations.

Program Learning Outcomes

1. Implement safe work habits in automotive technology.
2. Perform automotive diagnostics and repairs in an orderly and clean process.
3. Demonstrate the use and care of basic automotive tools and equipment.
4. Explain the mechanical and scientific principles involved in automotive technology.

5. Develop skills and technical knowledge of automotive technology that prepares students for entry level employment.
6. Develop skills and technical knowledge of automotive technology, particularly those related to the engine and transmission.